

INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				Docket Number (Optional) 15302ZYXWAZ (HRT-176)	Application Number unassigned	
				Applicant(s) JOHN H. STEVENS, et al.		
				Filing Date herewith	Group Art Unit unassigned	
				U.S. PATENT DOCUMENTS		
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DJ	US 2002/0111533 A1	8/15/2002	Melvin			
	US 2002/0029783 A1	3/14/2002	Stevens et al.			
	US 2002/0022880 A1	2/21/2002	Melvin			
	US 2002/0007216 A1	1/17/2002	Melvin			
	US 6,283,993 B1	9/4/2001	Cosgrove et al.			
	US 6,258,021 B1	7/10/2001	Wilk			
	US 2001/0003986 A1	6/21/2001	Cosgrove			
	US 6,224,540 B1	5/1/2001	Lederman et al.			
	US 6,221,103 B1	4/24/2001	Melvin			
	US 6,217,610 B1	4/17/2001	Carpentier et al.			
DJ	US 6,197,052 B1	3/6/2001	Cosgrove et al.			
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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
DJ	DE3614292	11/19/1987	Germany			✓
	0218275 A1	4/15/1987	EPO			
	0583012 A1	2/16/1994	EPO			
	WO 97/24083	7/10/1997	PCT			
DJ	WO 97/24082	7/10/1997	PCT			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
DJ	Huikuri, H. V., "Effect of mitral valve replacement on left ventricular function in mitral regurgitation", Br Heart J 1983; 49: pp. 328-33					
DJ	Pitarys II, C. J., et al., "Long-Term Effects of Excision of the Mitral Apparatus on Global and Regional Ventricular Function in Humans", JACC, Vol. 15, No. 3, March 1, 1990, pp. 557-563					
EXAMINER	David J. Isabella Primary Examiner			DATE CONSIDERED	6/15/04	
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D		US 6,182,664 B1	2/6/2001	Cosgrove			
		6,125,852	10/3/2000	Stevens et al.			
		6,117,159	9/12/2000	Huebsch et al.			
		6,079,414	6/27/2000	Reth			
		6,024,756	2/15/2000	Huebsch et al.			
		5,984,857	11/16/1999	Buck et al.			
		5,972,030	10/26/1999	Garrison et al.			
		5,971,911	10/26/1999	Wilk			
		5,957,977	9/28/1999	Melvin			
		5,865,791	2/2/1999	Whayne et al.			
D		5,856,614	1/5/1999	Hall			

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
D		WO 96/40356	12/19/1996	PCT				
		WO 9604852A1	2/22/1996	PCT				
		WO 95/16476	6/22/1995	PCT				
		WO95/06447	3/9/1995	PCT				
D		WO 93/20742	10/28/1993	PCT				

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D	Bolling, S. F., "Early Outcome of Mitral Valve Reconstruction in Patients with End-Stage Cardiomyopathy", The Journal of Thoracic and Cardiovascular Surgery, Vol. 109, No. 4, pp. 676-683
D	Oe, Masahiro, et al., "Effects of preserving mitral apparatus on ventricular systolic function in mitral valve operations in dogs", The Journal of Thoracic and Cardiovascular Surgery, Vol. 106, No. 5, pp. 1138-1146

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EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAMES	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
D1		5,855,601	1/5/1999	Bessler et al.			
		5,849,005	12/15/1998	Garrison et al.			
		5,814,097	9/29/1998	Sterman et al.			
		5,810,721	9/22/1998	Mueller et al.			
		5,800,528	9/1/1998	Lederman et al.			
		5,800,334	9/1/1998	Willk			
		5,776,151	6/16/1998	Valley et al.			
		5,758,663	6/2/1998	Willk et al.			
		5,718,725	2/17/1998	Sterman et al.			
		5,713,954	2/3/1998	Rosenberg et al.			
D1		5,682,906	11/4/1997	Sterman et al.			

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						YES	NO
D1	WO 93/20741	10/28/1993	PCT				
	WO 91/19465	12/16/1991	PCT				
D1	DE4234127	5/26/1994	Germany				

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D1	Alonso-Lej, F., "Adjustable Annuloplasty for Tricuspid Insufficiency", The Annuals of Thoracic Surgery, Vol. 46, No. 3, September 1988, pp. 368-369
D1	Kurlansky, P., et al., "Adjustable Annuloplasty for Tricuspid Insufficiency", Annual Thoracic Surgery, Vol. 44, October 1987, pp. 404-406

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EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DJ		5,665,092	9/9/1997	Mangiardi et al.			
		5,593,424	1/14/1997	Northrop III			
		5,584,803	12/17/1996	Stevens et al.			
		5,571,215	11/5/1996	Sterman et al.			
		5,533,958	7/9/1996	Wilk			
		5,509,428	4/23/1996	Dunlap			
		5,501,698	3/26/1996	Roth et al.			
		5,496,305	3/5/1996	Kittrell et al.			
		5,458,574	10/17/1995	Machold et al.			
		5,452,733	9/26/1995	Sterman et al.			
DJ		5,450,860	9/19/1995	O'Connor			
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DJ		Boyd, A. D., et al., "Tricuspid annuloplasty", The Journal of Thoracic and Cardiovascular Surgery, Vol. 68, No. 3, September 1974, pp. 344-351					
DJ		Edie, R. N., et al., "Surgical repair of single ventricle", The Journal of Thoracic and Cardiovascular Surgery, Vol. 66, No. 3, September 1973, pp. 350-360					
EXAMINER		David J. Isabella Primary Examiner	DJ	DATE CONSIDERED <i>6/15/98</i>			
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D	1	5,433,727	7/18/1995	Sideris			
		5,433,700	7/18/1995	Peters			
		5,391,136	2/21/1995	Hildwein et al.			
		5,385,528	1/31/1995	Wilk			
		5,339,800	8/23/1994	Wüta et al.			
		5,332,402	7/26/1994	Teitelbaum			
		5,312,344	5/17/1994	Grinsfeld			
		5,308,320	5/3/1994	Safar et al.			
		5,284,488	2/8/1994	Sideris			
		5,250,038	10/5/1993	Melker			
D	1	5,250,049	10/5/1993	Michael			

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						YES	NO

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D		McGoon, D. C., et al., "Correction of the univentricular heart having two atrioventricular valves" The Journal of the Thoracic and Cardiovascular Surgery, Vol. 74, No. 2, August 1977, pp. 218-226
D		Lev, M., et al., "Single (Primitive) Ventricle", Circulation, Vol. XXXIX, May 1969, pp. 577-591

EXAMINER	David J. Isabella Primary Examiner	D	DATE CONSIDERED 11/1/94
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D		5,203,776	4/20/1993	Durfee			
		5,197,979	3/30/1993	Quintero et al.			
		5,192,314	3/9/1993	Daskalakis			
		5,188,619	2/23/1993	Myers			
		5,169,381	12/8/1992	Snyders			
		Re. 34,021	8/4/1992	Mueller et al.			
		5,131,905	7/21/1992	Grooters			
		5,109,859	5/5/1992	Jenkins			
		5,106,386	4/21/1992	Isner et al.			
		5,104,393	4/14/1992	Isner et al.			
D		5,104,407	4/14/1992	Lam et al.			

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							YES	NO

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

D		Shumacker, Jr., H. B., "Cardiac Aneurysms", The Evolution of Cardiac Surgery, Vol. 21, 1992, pp. 159-165
D		Feldt, R. H., et al., "Current status of the septation procedure for univentricular heart", The Journal of Thoracic and Cardiovascular Surgery, Vol. 82, No. 1, July 1981, pp. 93-97

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DJ		5,041,130	8/20/1991	Cosgrove et al.			
		5,032,128	7/16/1991	Alouso			
		5,011,469	4/30/1991	Buckberg et al.			
		4,997,431	3/5/1991	Isner et al.			
		4,960,424	10/2/1990	Grooters			
		4,944,753	7/31/1990	Burgess et al.			
		4,936,857	6/26/1990	Kulik			
		4,808,163	2/28/1989	Laub			
		4,705,040	11/10/1987	Mueller et al.			
		4,690,134	9/1/1987	Snyders			
DJ		4,655,218	4/7/1987	Kulik et al.			

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REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
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**OTHER DOCUMENTS** *(Including Author, Title, Date, Pertinent Pages, Etc.)*

DJ	Doty, D. B., et al., "Septation of the univentricular heart", The Journal of Thoracic and Cardiovascular Surgery, Vol. 78, No. 3, September 1979, pp. 423-430.
DJ	Savage, E. B., et al., "Repair of left ventricular aneurysm, Changes in ventricular mechanics, hemodynamics, and oxygen consumption", The Journal of Thoracic and Cardiovascular Surgery, Vol. 134, No. 3, September 1992, pp. 752-762

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EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
M		4,536,893	8/27/1985	Parravicini			
		4,409,974	10/18/1983	Freeland			
		4,372,293	2/8/1983	Vijil-Rosales			
		4,261,342	4/14/1981	Aranguren Duo			
		4,192,293	3/11/1980	Asrican			
		4,173,981	11/13/1979	Mortensen			
		4,042,979	8/23/1977	Angell			
91		3,409,013	11/5/1968	Berry			

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M	Melvin, D., "Ventricular Radius-Reduction Without Resection", A Computational Assessment, University of Cincinnati
M	Melvin, D. B., et al., "Reduction of Ventricular Wall Tensile Stress by Geometric Remodeling Device", University of Cincinnati and CardioEnergetics, Inc., (Poster text, ASAIO, 1999)

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D1	Kay, E. B., et al., "Surgical Treatment of Mitral Insufficiency", The Journal of Thoracic Surgery, Vol. 29, January-June, 1955, pp. 618-620		
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	Kay, E. B., et al., "Surgical Treatment of Mitral Insufficiency", Surgery, Vol. 37, No. 5, May, 1955, pp. 697-620		
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	Ianuzzo, C. D., et al., "Preservation of the Latissimus Dorsi Muscle During Cardiomyoplasty Surgery", Journal of Cardiac Surgery, Vol. 11, September 1996, pp. 99-108		
	Chacques, J. C., et al., "Latissimus Dorsi Dynamic Cardiomyoplasty", The Society of Thoracic Surgeons, 1989, Vol. 47, pp. 600-604		
	Moreira, L. F. P., et al., "Latissimus Dorsi Cardiomyoplasty in the Treatment of Patients with Dilated Cardiomyopathy", Circulation, 1990, Vol. 82		
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	Lucas, C. M. H. B., et al., "Long-Term Follow-Up (1 to 35 Weeks) After Dynamic Cardiomyoplasty", Journal of American College of Cardiology, Vol. 22, No. 3, September 1993, pp. 758-767		
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	Wampler, R. K., et al., "Treatment of Cardiogenic Shock with the Hemopump Left Ventricular Assist Device", Ann. Thorac. Surg. 1991; 52: pp. 506-513		
I	McCarthy, P. M., et al., "Clinical experience with the Novacor ventricular assist system", J. Thorac. Cardiovasc. Surg. 1991; 102: pp. 578-587		
	Bearnson, G. B., et al., "Development of a Prototype Magnetically Suspended Ventricular Assist Device", ASAIO Journal, July-August 1996, Vol. 42, No. 4 pp. 275-281		
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	Farrar, D. J., et al., "A New Skeletal Muscle Linear-pull Energy Convertor as a Power Source for Prosthetic Circulatory Support Devices", The Journal of Heart and Lung Transplantation, September/October 1992, Vol. 11, No. 5, pp. S341-S349		
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	Medtronic 1996 Annual Shareholders Report		
O	Invited Commentary: Preservation of Muscle During Surgery, pp. 109-110, On "Preconditioning of Skeletal Muscle: Application to Dynamic Cardiomyoplasty" by C. David Ianuzzo, et al		
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O	Carpentier, A., et al., "Myocardial Substitution with a Stimulated Skeletal Muscle: First Successful Clinical Case", Letters to the Editor, page 1267, September 1996		
	"Congestive Heart Failure in the United States: A New Epidemic", NHLBI Congestive Heart Failure Data Fact Sheet, National Heart, Lung, and Blood Institute, National Institutes of Health, <a href="http://www.nhlbi.nih.gov/nhlbi/cardio/other/gp/CHF.htm">http://www.nhlbi.nih.gov/nhlbi/cardio/other/gp/CHF.htm</a>		
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	ABIOMED NEWS, For Immediate Release, ABIOMED's Temporary Artificial Heart System Reaches 200 U.S. Medical Center Milestone, September 26, 1996		
	ABIOMED NEWS, For Immediate Release, ABIOMED Wins \$4.35 Million Contract From the National Heart, Lung and Blood Institutes to Develop Implantable Heart Booster, October 3, 1995		
	ABIOMED NEWS, For Immediate Release, ABIOMED Wins NIH Grant to Develop Calcification-Resistant Plastic Heart Valve, September 29, 1995		
	ABIOMED NEWS, ABIOMED Wins Research Grant From NIH to Develop Suturing Instrument for Abdominal Surgery, August 25, 1995		
	ABIOMED NEWS, For Immediate Release, ABIOMED Receives Grant from NIH to Develop Disposable Bearigless Centrifugal Blood Pump, August 11, 1995		
	ABIOMED NEWS, ABIOMED Receives Grant From National Institutes of Health To Develop a Laser Welding Technique for Tissue Repair, June 9, 1995		
	ABIOMED NEWS, For Immediate Release, ABIOMED®'S Temporary Artificial Heart System Reaches 1,000 patient Milestone; BVS-5000® in More than 100 U.S. Medical Centers, April 27, 1995		
O	THORATECTM Brochure, January 2, 1997		
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<b>D</b>	Reversible Cardiomyopathy, 88 Days of Biventricular VAD Support as a Bridge to Recovery, THORATEC'S HEARTBEAT, Vol. 10.2, August 1996		
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<b>EXAMINER</b>	<b>David J. Isabella Primary Examiner</b>	<b>DATE CONSIDERED</b>	<b>6/15/04</b>
<b>*EXAMINER:</b> Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>		Docket Number (Optional) 15302ZYXWAZ (HRT-176)	Application Number unassigned
		Applicant(s) JOHN H. STEVENS, et al.	
		Filing Date herewith	Group Art Unit unassigned
EXAMINER INITIAL	OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>		
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EXAMINER	David J. Isabella Primary Examiner	DATE CONSIDERED 6/17/04	
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